Foundations of Algebra

Module 3: Proportional Reasoning

Materials List

|  |  |
| --- | --- |
| Lesson | Materials |
| 1. Equivalent Fractions | * Student lesson sheet |
| 1. Snack Mix | * Video and other information provided: <http://mikewiernicki.com/snack-mix/> * 3-Act Recording Sheet * Optional: Color tiles and/or Cuisenaire rods |
| 1. What is a Unit Rate? | * Student lesson sheet * Optional: Colored tiles * Optional: Cuisenaire rods |
| 1. Proportional Relationships | * Student lesson sheet * Chart paper (with grid, if possible) * Graph paper (if no grid paper is available) * Glue sticks (if no grid paper is available) * Envelopes * Markers * Sticky notes |
| 1. Orange Fizz Experiment | * Student lesson sheet |
| 1. Proportion and Non-Proportion Situations | NA |
| 1. Quick Check I | NA |
| 1. Fish in a Lake | * Paper bags (one per group) * White beans and red beans (alternatives to the beans include: two different colored counters, two different colored cubes, or plain Goldfish crackers and pretzel Goldfish crackers (tagged fish)) |
| 1. Which Is the Better Deal? | * Chart paper or white poster board * Rulers * Markers for making charts * Samples of products (Students can clip advertisements or print products off the internet. They need to have a picture of the product, explanation/details, price) |
| 1. 25% Sale | * Student lesson sheet |
| 1. Which Bed, Bath, & Beyond Coupon Should You Use? | * Images of both Bed Bath & Beyond coupons: $5 off any purchase of $15 or more and 20% off one single item * Images of four items from Bed Bath & Beyond website * Problem solving framework (provided in this document) |
| 1. Increasing and Decreasing Quantities by a Percent | NA |
| 1. Quick Check II | NA |
| 1. What’s My Line? | * Student lesson sheet * Optional: Straightedge * Optional: Graph paper <http://incompetech.com/graphpaper> |
| 1. Nate and Natalie’s Walk | *Walk to the Movies* activity sheet  Student lesson sheet |
| 1. Rectangle Families | * Student lesson sheet * Two pages of rectangles (copied single side) * Scissors * Colored pencils * Rulers |
| 1. Quick Check III | NA |
| 1. “Illustrative” Review | NA |
| 1. Nana’s Chocolate Milk | * Video and other information provided: <http://threeacts.mrmeyer.com/nana/> * 3-Act Recording |